
Sequence Listing was accepted with existing errors.

See attached Validation Report.

If you need help call the Patent Electronic Business Center at (866)

217-9197 (toll free).

Reviewer: Anne Corrigan

Timestamp: Thu Jun 07 17:18:30 EDT 2007

Validated By CRFValidator v 1.0.2

Application No: 10575814 Version No: 1.1

Input Set:

Output Set:

Started: 2007-06-07 17:18:05.457

Finished: 2007-06-07 17:18:07.835

Elapsed: 0 hr(s) 0 min(s) 2 sec(s) 378 ms

Total Warnings: 0

Total Errors: 0

No. of SeqIDs Defined: 155

Actual SeqID Count: 155

SEQUENCE LISTING

```
<110> Chibout, Salah-Dine
     Grass, Peter
     Vonderscher, Jacky
     Grenet, Olivier
<120> DIFFERENTIALLY EXPRESSED GENES RELATED
 TO CORONARY ARTERY DISEASE
<130> 33318 US-PCT
<140>
      10/575,814
<141>
       2004-10-15
<150> 60/511,784
<151> 2003-10-16
<150> 60/574,818
<151> 2004-05-27
<160> 155
<170> FastSEO for Windows Version 4.0
<210> 1
<211> 878
<212> DNA
<213> Homo sapiens
<220>
<221> gene
<222> (1)...(878)
<223> Ferritin; Highly similar to FRIL_HUMAN Ferritin
      light chain (Ferritin L subunit) [H.sapiens], iron
      ion homeostasis
<400> 1
gtcccgcggg tctgtctctt gcttcaacag tgtttggacg gaacagatcc ggggactctc 60
ttccagcctc cgaccgccct ccgatttcct ctccgcttgc aacctccggg accatcttct 120
eggeeatete etgettetgg gaeetgeeag eacegttttt gtggttaget eettettgee 180
aaccaaccat gagctcccag attcgtcaga attattccac cgacgtggag gcagccgtca 240
acagectggt caatttgtac etgeaggeet cetacaceta cetetetetg ggettetatt 300
tcgaccgcga tgatgtggct ctggaaggcg tgagccactt cttccgcgaa ttggccgagg 360
agaagcgcga gggctacgag cgtctcctga agatgcaaaa ccagcgtggc ggccgcgctc 420
tettecagga cateaagaag ecagetgaag atgagtgggg taaaaceeca gaegecatga 480
aagctgccat ggccctggag aaaaagctga accaggccct tttggatctt catgccctgg 540
gttctgcccg cacggacccc catctctgtg acttcctgga gactcacttc ctagatgagg 600
aagtgaagct tatcaagaag atgggtgacc acctgaccaa cctccacagg ctgggtggcc 660
cggaggetgg getgggegag tatetetteg aaaggeteae teteaageae gaetaagage 720
cttctgagcc cagcgacttc tgaagggccc cttgcaaagt aatagggctt ctgcctaagc 780
ctctccctcc agccaatagg cagctttctt aactatccta acaagccttg gaccaaatgg 840
                                                                  878
aaataaagct ttttgatgca aaaaaaaaa aaaaaaaa
```

```
<212> DNA
<213> Homo sapiens
<220>
<221> gene
<222> (1)...(1567)
<223> FKBP8; FK506 binding protein 8, 38kDa
<400> 2
gggtgaggag gaagaggagg aggaagagga ggaagaggat gacctgagtg agctgccacc 60
gctggaggac atgggacaac ccccggcgga ggaggctgag cagcctgggg ccctggcccg 120
agagtteett getgeeatgg agecegagee egeceeagee eeggeeecag aagagtgget 180
ggacattetg gggaaeggge tgttgaggaa gaagaegetg gteecaggge egeeaggtte 240
gageegeeeg gteaagggee aggtggteae egtacatetg eagaegtege tggagaatgg 300
cacacgggtg caggaggagc cggagctggt gttcactctg ggtgactgtg acgtcatcca 360
ggccctggat ctcagtgtcc cactcatgga cgtgggggag acggccatgg tcactgctga 420
ctccaagtac tgctacggcc cccaaggcag caggagccca tacatccccc cgcacgcggc 480
cctgtgcctg gaggtgaccc tgaagacggc tgtggacggg cctgacctgg agatgctcac 540
ggggcaggag cgcgtggccc tggccaaccg gaagcgggag tgcggcaacg cccactacca 600
gegggeggae ttegteetgg eegecaacte etaegaeete gecateaagg etateacete 660
cagcgccaaa gtggacatga cgttcgagga ggaggcacag ctcctgcagt tgaaggtgaa 720
gtgtctgaac aacctggcgg cctcgcagct gaagctcgac cactaccgcg cagccctgcg 780
ctcctgcagc cttgtgctgg agcaccagcc agacaacatc aaggctctct tccgcaaggg 840
caaggtgctg gcccagcagg gggagtacag tgaggccatc cccatcctga gggcagccct 900
gaagctggaa ccttccaaca agacgatcca cgcagagctc tcaaagctgg tgaagaagca 960
tgcggcgcag cggagcacgg agaccgcctt gtaccggaaa atgctgggca accccagccg 1020
gctgcctgct aagtgccctg gcaagggtgc ctggtccatc ccatggaagt ggctgtttgg 1080
ggcgactgct gttgccttgg ggggtgtggc actctctgtg gtcatcgctg ccaggaactg 1140
accaectagg tggetgecae eceetetgea eaccatggae eetgeeetge geteeecaae 1200
tececeagge tecetyteca etgecetece tygtetygee eceteeteeg gyttagygga 1260
gcaaggattg ggggtcgtgc agcccagcca gcaggaggga ctgaggccct ctaggaggaa 1320
agcccagagg gagggggccc tcattccttc agacccagtt ttcccccacc ctccttaccc 1380
cgctgggcta ggtctccgcc agggctggcc tcagtttctc ctcaacaggc ctgggggcag 1440
cccttcccct gcctagtccc cgcctgagtg ccagccccc acccgcctg ccgcccctg 1500
1567
aaaaaaa
<210> 3
<211> 1596
<212> DNA
<213> Homo sapiens
<220>
<221> gene
<222> (1)...(1596)
<223> TUBA3: tubulin, alpha, ubiquitous
<400> 3
tgtcggggac ggtaaccggg acccgtgctc tgctcctgtc gccttcgcct cctgaatccc 60
tagccatatg cgtgagtgca tctccatcca cgttggccag gctggtgtcc agattggcaa 120
tgcctgctgg gagctctact gcctggaaca cggcatccag cccgatggcc agatgccaag 180
tgacaagacc attgggggag gagatgactc cttcaacacc ttcttcagtg agacgggcgc 240
tggcaagcac gtgccccggg ctgtgtttgt agacttggaa cccacagtca ttgatgaagt 300
tegeaetgge acetaeegee agetetteea eeetgageag eteateaeag geaaggaaga 360
tgctgccaat aactatgccc gagggcacta caccattggc aaggagatca ttgaccttgt 420
gttggaccga attcgcaagc tggctgacca gtgcacccgt cttcagggct tcttggtttt 480
```

ccacagettt ggtgggggaa etggttetgg gtteaeetee etgeteatgg aaegeetgte 540

```
agttgattat ggcaagaaat ccaagctgga gttctccatt tacccggcac cccaggtttc 600
cacagetgta gttgageeet acaaeteeat eeteaceace cacaeeace tggageacte 660
tgattgtgcc ttcatggtag acaatgaggc catctatgac atctgtcgta gaaacctcga 720
tategagege ceaacetaca etaacettaa eegeettatt ageeagattg tgteeteeat 780
cactgcttcc ctgagatttg atggagccct gaatgttgac ctgacagaat tccagaccaa 840
cetggteece taccecegea tecactteec tetggeeaca tatgeecetg teatetetge 900
tgagaaagcc taccatgaac agctttctgt agcagacatc accaatgctt gctttgagcc 960
agccaaccag atggtgaaat gtgaccctgg ccatggtaaa tacatggctt gctgcctgtt 1020
gtaccgtggt gacgtggttc ccaaagatgt caatgctgcc attgccacca tcaaaaccaa 1080
gcgcacgatc cagtttgtgg attggtgccc cactggcttc aaggttggca tcaactacca 1140
gcctcccact gtggtgcctg gtggagacct ggccaaggta cagagagctg tgtgcatgct 1200
gagcaacacc acagccattg ctgaggcctg ggctcgcctg gaccacaagt ttgacctgat 1260
gtatgccaag cgtgcctttg ttcactggta cgtgggtgag gggatggagg aaggcgagtt 1320
ttcagaggcc cgtgaagata tggctgccct tgagaaggat tatgaggagg ttggtggga 1380
ttctgttgaa ggagaggtg aggaagaagg agaggaatac taattatcca ttccttttgg 1440
ccctgcagca tgtcatgctc ccagaatttc agcttcagct taactgacag atgttaaagc 1500
tttctggtta gattgttttc acttggtgat catgtctttt ccatgtgtac ctgtaatatt 1560
                                                                  1596
tttccatcat atctcaaagt aaagtcatta acatca
<210> 4
<211> 1800
<212> DNA
<213> Homo sapiens
<220>
<221> gene
<222> (1)...(1800)
<223> TTS-2.2; transport-secretion protein 2.2
<400> 4
gacagegtet eegeeteege eggeggagae eecaaggtat egagaetgeg ggaceeaetg 60
cccgcaggac atcgagtcac gatgttcacg agggagacca agtggaacat ctcattcgct 120
ggctgcggct tcctcggggt ctaccacatt ggcgtggcct cctgcctccg tgagcacgcg 180
cccttcctgg tggccaacgc cactcacatc tacggagcct cggcaggggc gctcaccgcc 240
acagegetgg teactgggge etgeetgggt gaageaggtg ceaacattat tgaggtgtee 300
aaggaggccc ggaagcggtt cctgggtcct ctgcatccct ccttcaacct ggtgaagacc 360
atccgtggct gtctactaaa gaccctgcct gctgattgcc atgagcgcgc caatggacgc 420
ctgggcatct ccctgactcg tgtttcagac ggagagaacg tcatcatatc ccactttagc 480
tccaaggatg agctcatcca ggccaatgtc tgcagcacat ttatcccggt gtactgtggc 540
ctcattcctc ctaccctcca aggggtgcgc tatgtggatg gcggcatttc agacaacttg 600
ccactttatg agctgaagaa taccatcaca gtgtccccat tctcaggcga gagtgacatc 660
tgccctcagg acagctccac caacatccac gagcttcgcg tcaccaacac cagcatccag 720
ttcaacette geaateteta eegeeteteg aaggetetet teeegeeaga geeeatggte 780
ctccgagaga tgtgcaaaca gggctacaga gatggacttc gattccttag gaggaatgcc 840
ctgctggagg cctgtgtgga accaaaggac ctgatgacca ccctttccaa catgctacca 900
gtgcgcctgg caacggccat gatggtgccc tatactctgc cgctggagag tgcagtgtcc 960
ttcaccatcc gcttgttgga gtggctgcct gatgtccctg aagatatccg gtggatgaaa 1020
gagcagacgg gtagcatctg ccagtatctg gtgatgaggg ccaagaggaa attgggtgac 1080
catchgeett ccagactgte tgageaggtg gaactgegae gtgeecagte tetgeeetet 1140
gtgccactgt cttgcgccac ctacagtgag gccctaccca actgggtacg aaacaacctc 1200
teactggggg acgegetgge caagtgggaa gaatgeeage gteagetaet getgggtete 1260
ttetgeacea atgtggeett eeegeeggat geettgegea tgegegeace tgeeageeee 1320
actgccgcag atcctgccac cccacaggat ccacctggcc tcccgccttg ctgagaatca 1380
ccattcccac atcgcccggc taccagccaa gctccaagtt gtcctgcccc actaagagga 1440
gccccggggt ggaacaagat cctgtctgcc ccggctctcc cccttacatg ctgtggaatg 1500
aggacatagg accetgeaca getgeaagtg ggetttegat gtgaaacett teaceageea 1560
```

ctcactatgc tactcctggt ggggagggat ggggagtcgc cctcccccgg agcccacaga 1620

```
gccctccccc gtcacgtcac ctgtgcctta ctcctgccca ccaccttttc agtgcagggt 1680
cagtettaag aactecacat etgetgetge teeetggtgt ecaagtttee ttgeagagtg 1740
tgtgaagaat tatttatttt tgccaaagca gatctaataa aagccacagc tcagcttctg 1800
<210> 5
<211> 1656
<212> DNA
<213> Homo sapiens
<220>
<221> gene
<222> (1)...(1656)
<223> UBXD1; UBX domain-containing 1
<400> 5
ttttcttccg ggggctggtc tccggcggcc ccgtccccga ctgggccccg tgccccccg 60
cccccgcggc cccccgccgc cgggccagcc gccaccatga agaaattctt tcaggagttc 120
aaggccgaca tcaagttcaa gagcgcggga cccggtcaga agctcaaaga gtccgtgggg 180
gaaaaggccc acaaagagaa gcccaaccag ccagccccca ggccgccccg ccagggaccc 240
accaatgagg cacagatggc agccgctgct gccctagccc ggctggagca gaagcagtcc 300
cgggcctggg gccccacatc gcaggacacc atccgaaacc aggtgagaaa ggaacttcaa 360
gccgaagcca ccgtcagcgg gagccccgag gccccaggga ccaacgtggt atctgagccc 420
agagaggaag getetgeeca cetggetgtg cetggegtgt actteacetg teegeteact 480
ggggccaccc tgaggaagga ccagcgggac gcctgcatca aggaggccat tctcttgcac 540
ttctccaccg acccagtggc cgcctccatc atgaagatct acacgttcaa caaagaccag 600
gaccgggtga agctgggtgt ggacaccatt gccaagtacc tggacaacat ccacctgcac 660
cccgaggagg agaagtaccg gaagatcaag ctgcagaaca aggtgtttca ggagcgcatt 720
aactgcctgg aagggaccca cgagtttttt gaggccattg ggttccagaa ggtgttgctt 780
cccgcccagg atcaggagga ccccgaggag ttctacgtgc tgagcgagac caccttggcc 840\,
cageeceaga geetggagag geacaaggaa eagetgetgg etgeggagee egtgegeee 900
aagetggaca ggeagegeeg egtetteeag eectegeeee tggeetegea gttegaactg 960
cctggggact tcttcaacct cacagcagag gagatcaagc gggagcagag gctcaggtcc 1020
gaggcggtgg agcggctgag cgtgctgcgg accaaggcca tgcgggagaa ggaggagcag 1080
cgggggctgc gcaagtacaa ctacacgctg ctgcgcgtgc gcctccccga tggctgcctc 1140
ctgcagggca ctttctacgc tcgggagcgg ctgggggcgg tgtacgggtt cgtccgggag 1200
gccctgcaga gcgactggct gccttttgag ctgctggcct cgggagggca gaagctgtcc 1260
gaggacgaga acctggcctt gaacgagtgc gggctggtgc cctctgccct cctgaccttc 1320
tegtgggaca tggetgtget ggaggacate aaggeegegg gggeegagee ggaetecate 1380
ctgaaacccg agctcctgtc agccatcgag aagctcttgt gaaataaaag cagggttggc 1440
ctcagccctg tgggtctgtc tcatgctctc cctgttcctc tccccgccac cccagggcct 1500
ccaagccacc tctggaaata cttggctctg ccccatgggc acgggagggg cgccagccgt 1560
ggagetgtgg aattgggeee egtggeagag eececateee ttgggggetg tggggatgeg 1620
                                                                  1656
cccaagcccc cgagggagag gcctggggac accaac
<210> 6
<211> 1745
<212> DNA
<213> Homo sapiens
<220>
<221> gene
<222> (1)...(1745)
<223> LOC51257; Hypothetical protein LOC51257
<400> 6
```

catttatcca gcagtgaact gtcctagcgc aagagttagt aattgctccc ctgttccttc 60

```
acctccccac tttggagctc agatttgttt ttttgtttgt ttgtttgctt gctttctttt 120
gttctgtttt agagactgga gactgggtct tgctctgtta cccaggctgg agtgcagtgg 180
tgtgatcata gctcactaca gccttgaact cctgggctca agaggttgag gctccctcct 240
cagcctccca agtagctggg actacaggct ttcagcacca tgcctggcta attcaaaaaa 300
accttcagag agatagggtc tctctatgtt gccctagctc gtctcaaact cctggcctca 360
agtgatecte etgettggae etcecaaage getgggatta eaggeteetg gaaceatggg 420
cctcaggccc tgaggatacg gggctcccgg tggccatgac gacgggtgac tgctgccacc 480
tecceggete cetgtgtgae tgeteeggea geeetgeett etecaaggte gtggaggeta 540
cgggcctcgg accgccccag tatgtggcac aggtgacttc aagggatggc cggctcctct 600
ccaccgtcat ccgtaccttg gacacccga gtgatggtcc tttctgccgg atctgccatg 660
agggagegaa eggggagtge ttgetgteee egtgtggetg caeeggeaeg etgggtgeeg 720
tgcataagag ctgtctggag aagtggcttt cctcatctaa caccagctac tgcgagctgt 780
gccacacgga gtttgcagtg gagaaacggc ctcgacccct cacagagtgg ctgaaggacc 840
cggggccgcg gacggagaag cggacactgt gctgcgacat ggtgtgtttc ctgttcatca 900
caccgctggc cgccatctca ggctggttgt gcctgcgcgg ggcccaggac cacctccggc 960
tccacagcca gctggaggcc gtgggtctca ttgccctcac catcgccctc ttcaccatct 1020
atgteetetg gaegetggte teetteeget accaetgeea getgtaetee gagtggagaa 1080
agaccaacca gaaagttege etgaagatee gggaggegga eageeeegag ggeeeecage 1140
attetecaet ggeagetgga eteetgaaga aggtggeaga ggagaeaeca gtatgaatge 1200
tgggctctcc ggaccctgca gcagagaggc cagaggtagc tggtgatacc ctgtcctgtg 1260
gaaggacttc cacttcaaca cttccacttc aacagttccc gcacggcctg aacgcttctt 1320
aggccaagag acaccatgcg gagcctagtc tgtgatcctg tgtgaagata ttttcagggt 1380
tttttttttt ttttttttg catatggagg acaggtggac atggtcctga gctctggacg 1440
gagcaggcac cctgatctca ttctgaggtc cacatggcac cttctgggcc agcagctgtg 1500
gccggtgtat caagggcgcc cttaaagctg gaacattcca gcaagcttct tgcgcttctc 1560
tgcacccggc aggcccactt tcctggcacc ctcgacttta tataaaagtt gcactgcgtt 1620
tcaaaaaccc accctgaatg aataaaagga gccctggctg gacaaaaaaa aaaaaaaaa 1680
1745
aaaaa
<210> 7
<211> 2700
<212> DNA
<213> Homo sapiens
<220>
<221> gene
<222> (1)...(2700)
<223> ITRPK1; Inositol 1,3,4-triphosphate 5/6 kinase
<400> 7
cgcagaggca ccgccccaag tttgttgtga ccggcggggg acgccggtgg tggcggcagc 60
ggcggctgcg ggggcaccgg gccgcggcgc caccatggcg gtgcgacagg cgctgggccg 120
eggeetgeag etgggtegag egetgetget gegetteaeg ggeaageeeg geegggeeta 180
cggcttgggg cggccgggcc cggcggggg ctgtgtccgc ggggagcgtc caggctgggc 240
egeaggaeeg ggegeggage etegeagggt egggeteggg etecetaaee gteteegett 300\,
cttccgccag tcggtggccg ggctggcggc gcggttgcag cggcagttcg tggtgcgggc 360
ctggggctgc gcgggccctt gcggccgggc agtctttctg gccttcgggc tagggctggg 420
cctcatcgag gaaaaacagg cggagagccg gcgggcggtc tcggcctgtc aggagatcca 480
ggcaattttt acccagaaaa gcaagccggg gcctgacccg ttggacacga gacgcttgca 540
gggctttcgg ctggaggagt atctgatagg gcagtccatt ggtaagggct gcagtgctgc 600
tgtgtatgaa gccaccatgc ctacattgcc ccagaacctg gaggtgacaa agagcaccgg 660
gttgcttcca gggagaggcc caggtaccag tgcaccagga gaagggcagg agcgagctcc 720
ggggggcccct gccttcccct tggccatcaa gatgatgtgg aacatctcgg caggttcctc 780
cagcgaagcc atcttgaaca caatgagcca ggagctggtc ccagcgagcc gagtggcctt 840
ggctggggag tatggagcag tcacttacag aaaatccaag agaggtccca agcaactagc 900
```

ccctcacccc aacatcatcc gggttctccg cgccttcacc tcttccgtgc cgctgctgcc 960

```
ccatggccgg acgctgttcc tcgttatgaa gaactatccc tgtaccctgc gccagtacct 1080
ttgtgtgaac acacccagcc cccgcctcgc cgccatgatg ctgctgcagc tgctggaagg 1140
cgtggaccat ctggttcaac agggcatcgc gcacagagac ctgaaatccg acaacatcct 1200
tgtggagctg gacccagacg gctgcccctg gctggtgatc gcagattttg gctgctgcct 1260
ggctgatgag agcatcggcc tgcagttgcc cttcagcagc tggtacgtgg atcggggcgg 1320
aaacggctgt ctgatggccc cagaggtgtc cacggcccgt cctggcccca gggcagtgat 1380
tgactacage aaggetgatg cetgggeagt gggageeate geetatgaaa tetteggget 1440
tgtcaatccc ttctacggcc agggcaaggc ccaccttgaa agccgcagct accaagaggc 1500
teagetacet geactgeeeg agteagtgee teeagaegtg agaeagttgg tgagggeact 1560
getecagega gaggecagea agagaceate tgeeegagta geegeaaatg tgetteatet 1620
aagcctctgg ggtgaacata ttctagccct gaagaatctg aagttagaca agatggttgg 1680
ctggctcctc caacaatcgg ccgccacttt gttggccaac aggctcacag agaagtgttg 1740
tgtggaaaca aaaatgaaga tgctctttct ggctaacctg gagtgtgaaa cgctctgcca 1800
ggcagccctc ctcctctgct catggagggc agccctgtga tgtccctgca tggagctggt 1860
gaattactaa aagaacttgg catcctctgt gtcgtgatgg tctgtgaatg gtgagggtgg 1920
gagtcaggag acaagacagc gcagagaggg ctggttagcc ggaaaaggcc tcgggcttgg 1980
caaatggaag aacttgagtg agagttcagt ctgcagtcct gtgctcacag acatctgaaa 2040
agtgaatggc caagctggtc tagtagatga ggctggactg aggaggggta ggcctgcatc 2100
cacagagagg atccaggcca aggcactggc tgtcagtggc agagtttggc tgtgaccttt 2160
gcccctaaca cgaggaactc gtttgaaggg ggcagcgtag catgtctgat ttgccacctg 2220
gatgaaggca gacatcaaca tgggtcagca cgttcagtta cgggagtggg aaattacatg 2280
aggeetggge etetgegtte eeaagetgtg egttetggae eagetaetga attattaate 2340
tcacttagcg aaagtgacgg atgagcagta agtaagtaag tgtggggatt taaacttgag 2400
ggtttccctc ctgactagcc tctcttacag gaattgtgaa atattaaatg caaatttaca 2460
actgcagatg acgtatgtgc cttgaactga atatttggct ttaagaatga ttcttatact 2520
ctgaaggtga gaatattttg tgggcaggta tcaacattgg ggaagagatt tcatgtctaa 2580
ctaactaact ttatacatga tttttaggaa gctatgccta aatcagcgtc aacatgcagt 2640
<210> 8
<211> 3139
<212> DNA
<213> Homo sapiens
<220>
<221> gene
<222> (1)...(3139)
<223> PINK1; PTEN induced putative kinase 1
<400> 8
ggccgaggag gaagtggcgg cggcggcggc gggactgcgc gccccagctc cgatccccgt 60
teegegteee egeegeeggg aggaggtgee caetegeteg eggegegege eggeegeeag 120
acteggeetg tgggegattt ceteeggace eaggeteece geeegaggag gaagatgeag 180
acctttctga aagggaagag agttggctac tggctgagcg agaagaaaat caagaagctg 240
aatttccagg ccttcgccga gctgtgcagg aagcgaggga tggaggttgt gcagctgaac 300
cttagccggc cgatcgagga gcagggcccc ctggacgtca tcatccacaa gctgactgac 360
gtcatccttg aagccgacca gaatgatagc cagtccctgg agctggtgca caggttccag 420
gagtacatcg atgeccaece tgagaceate gteetggace egeteeetge cateagaace 480
ctgcttgacc gctccaagtc ctatgagctc atccggaaga ttgaggccta catggaagac 540
gacaggatet getegecace etteatggag eteaegagee tgtgegggga tgacaceatg 600
cggctgctgg agaagaacgg cttgactttc ccattcattt gcaaaaccag agtggctcat 660
ggcaccaact ctcacgagat ggctatcgtg ttcaaccagg agggcctgaa cgccatccag 720
ccaccctgcg tggtccagaa tttcatcaac cacaacgccg tcctgtacaa ggtgttcgtg 780
gttggcgagt cctacaccgt ggtccagagg ccctcactca agaacttctc cgcaggcaca 840
```

tcagaccgtg agtccatctt cttcaacagc cacaacgtgt caaagccgga gtcgtcatcg 900

aggggccctg gtcgactacc ctgatgtgct gccctcacgc ctccaccctg aaggcctggg 1020

gtcctgacgg	agctggacaa	gatcgagggc	gtgttcgagc	ggccgagcga	cgaggtcatc	960
cgggagctct	cccgggccct	gcggcaggca	ctgggcgtgt	cactcttcgg	catcgacatc	1020
atcatcaaca	accagacagg	gcagcacgcc	gtcattgaca	tcaatgcctt	cccaggctac	1080
gagggcgtga	gcgagttctt	cacagacctc	ctgaaccaca	tcgccactgt	cctgcagggc	1140
cagagcacag	ccatggcagc	cacaggggac	gtggccctgc	tgaggcacag	caagcttctg	1200
gccgagccgg	cgggcggcct	ggtgggcgag	cggacatgca	gcgccagccc	cggctgctgc	1260
ggcagcatga	tgggccagga	cgcgccctgg	aaggctgagg	ccgacgcggg	cggcaccgcc	1320
aagctgccgc	accaga					